Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
15	457	717/140.ccis.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/01 16:42
L2	2	717/140.ccls. and (bit or bitwise) and "constant propagation" and precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/01 16:44
L3.	2	717/140.ccls. and "constant propagation" and precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/01 16:44
L4	2	717/140.ccls. and "constant propagation" and precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/01 16:44
L5	5	717/140.ccls. and (bit or bitwise) and "constant propagation"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/01 16:45
L6	0	717/140.ccls. and ( (replac\$3 or substitut\$3) near2 opertor) and "constant propagation"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:45
S1	1	"bitwise constant propagation" same ((reduced or smaller) near3 type)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 18:11
S2	1	"bitwise constant propagation" same (demot\$3 or ((reduced or smaller) near3 type))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 17:10
S3	2	"20030188299"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 17:20

S4	6	"20040019883" or ("6223142" "5960171" "67421808").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 17:21
S5	3	"bitwise constant propagation"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 17:53
S6	3	(bitwise or bit-wise) near3 "constant propagation"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 17:54
S7	0	("6848099").URPN.	USPAT	OR	OFF	2005/04/11 17:55
S8	17	(bitwise or bit-wise or bit) same "constant propagation"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 18:12
S9	65240	(demot\$3 or reduc\$4 ) same precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 18:14
S10	34	(demot\$3 or reduc\$4 ) same precision and "constant propagation"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/11 18:14
S11	0	(translat\$3 or transform\$3 or optimiz\$5 or optimis\$5) same (reduc\$3 near2 "size of" ) and reduc\$3 near5 (type or code)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:28
S12	0	(translat\$3 or transform\$3 or optimiz\$5 or optimis\$5) same (reduc\$3 near2 "size of" ) and reduc\$3 near5 (type or code)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:28
S13	2760	(translat\$3 or transform\$3 or optimiz\$5 or optimis\$5) same reduc\$3 near5 (type or code)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:29
S14	22	(translat\$3 or transform\$3 or optimiz\$5 or optimis\$5) same reduc\$4 near5 (type or code) and reduc\$4 near3 precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:30

S15	2	(translat\$3 or transform\$3 or optimiz\$5 or optimis\$5) same ( type near3 demot\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:32
S16	46	(translat\$3 or transform\$3 or optimiz\$5 or optimis\$5) same demot\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/28 17:35
S17	22	type near3 demot\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:35
S18	19	S17 not S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 17:35
S19	0	bitwidth near3 analysis	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR ,	OFF	2005/04/30 10:57
S20	128	bitwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/30 11:12
S21	20	("4766566"   "4972314"   "5175843"   "5197127"   "5550749"   "5581762"   "5606698"   "5619692"   "5666535"   "5668948"   "5729466"   "5742814"   "5870308"   "6026228"   "6192504"   "6216252"   "6237021"   "6421809"   "6463560"   "6505328").PN. OR ("6772399").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/30 11:06
S22	3571	bitwise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/30 11:12
S23	1491	bitwise and ( minimiz\$3 or minimal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/30 11:13

S24	382	bitwise and ( minimiz\$3 or minimal) and precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/30 11:13
S25	280	bitwise and ( minimiz\$3 or minimal) and precision and (constant or propagation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/30 11:34
S26	244	bitwise and ( minimiz\$3 or minimal) and ( (demot\$3 or reduc\$4 ) near3 (precision or size or width) ) and (constant or propagation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/30 11:36
S27	8	(bitwise or "constant propagation" or "bit-wise" ) and (("size_of" or size or sizeof or "size of") near2 ("op code" or operation or op or operator)) and (replac\$3 or substitut\$3) near3 ("op code" or operation or op or operator) and (less\$2 or greater or smaller or larger) and precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 10:41
S28	0	"operation on a data type"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 10:39
S29	603	"operation" near3 "data type"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 10:39
S30	355	"operation" near2 "data type"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 10:39
S31	Ö	"operation" and ( (on or to or for ) near2 "data type" )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 10:40

S32	1	(bitwise or "constant propagation" or "bit-wise" ) and (("size_of" or size or sizeof or "size of") and ("op code" or operation or op or operator)) and (replac\$3 or substitut\$3) near3 ("op code" or operation or op or operator) and (less\$2 or greater or smaller or larger ) and precision and \$30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	OFF	2005/08/02 10:42
S33	1	(bitwise or "constant propagation" or "bit-wise") and (("size_of" or size or sizeof or "size of") and ("op code" or operation or op or operator or expression)) and (replac\$3 or substitut\$3) near3 ("op code" or operation or op or operator) and (less\$2 or greater or smaller or larger ) and precision and \$30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 10:42
S34	9	(bitwise or "constant propagation" or "bit-wise" ) and (("size_of" or size or sizeof or "size of") and ("op code" or operation or op or operator or expression)) and (less\$2 or greater or smaller or larger ) and precision and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 11:15
S35	5	("5991531").URPN.	USPAT	OR	OFF	2005/08/02 10:49
S36		("4370709"   "5345580"   "5678032"   "5832292"   "5889983"   "5896522"   "5970241"   "5991531"   "5991870").PN. OR ("6360194"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/02 11:11
S37	18657	("op code" or operation or op or operator or expression) near5 precision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 11:16
S38	506	("op code" or operation or op or operator or expression) near5 (reduc\$4 near3 precision)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 12:54
S39	1	("op code" or operation or op or operator or expression) near5 (reduc\$4 near3 precision) near5 (replac\$3 or modify\$3 or modificaton or substitut\$3 or swap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 11:18

S40	1	("op code" or operation or op or operator or expression) near5 (reduc\$4 near3 precision) near5 (replac\$4 or modify\$3 or modification or substitut\$3 or swap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 11:18
S41	7	("op code" or operation or op or operator or expression) near5 (reduc\$4 near3 precision) and (bitwise or "constant propagation" or "bit-wise")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 12:49
S45	128	("op code" or operation or op or operator or expression) near5 (reduc\$4 near3 precision ) and (bit or bitwise or "bit-wise" or "constant propagation")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/02 12:55
S46	8	("4153938"   "4864529"   "5151875"   "5426599"   "5444835"   "5457804"   "5561810"   "5625764").PN. OR ("5935197").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/02 13:02



bitwise operator OR precision "constant propal 1990

\_ [20

Search

Sc Sc

Scholar Results 1 - 10 of about 25 for bitwise operator OR precision "constant propagation". (0.05:

# [PS] Generation of Efficient Interprocedural Analyzers with PAG

M Alt, F Martin - SAS, 1995 - rw4.cs.uni-sb.de

... cessfully been tested by generating several analyzers (eg alias analysis, constant propagation) for an ... to be dened on the left side and an operator applied to ...

Cited by 78 - View as HTML - Web Search - cs.uni-sb.de - rw4.cs.uni-sb.de - portal.acm.org - all 6 versions »

### Compiling SA-C Programs to FPGAs: Performance Results

BA Draper, APW Boehm, J Hammes, WA Najjar, JR ... - ICVS, 2001 - springerlink.com ... FPGAs to form arbitrary bit **precision** logic cir ... positive differencing, majority thresholding, **bitwise** "and", percentile ... into a single **operator** that passes ... Cited by 10 - Web Search - cs.ucr.edu - cs.colostate.edu - portal.acm.org - all 6 versions »

### [PS] An Efficient Decision Procedure for the Theory of Fixed-Sized Bit-Vectors

D Cyrluk, MO Moeller, H Ruess - CAV, 1997 - kestrel edu

... Then, the solver for the core bit-vector theory is extended to handle other bit-vector operations like bitwise logical operations, shifting, and arithmetic ... Cited by 18 - View as HTML - Web Search - daimi au dk - csl sri com - informatik uni-ulm de - all 11 versions »

### Bitwidth analysis with application to silicon compilation

M Stephenson, J Babb, S Amarasinghe - ACM SIGPLAN 2000 Conference on Programming Language Design ..., 2000 - portal acm org

... For the **Bitwise** compiler we chose to propagate data- ranges, not only ... most important applications use arithmetic and will benet from their exact **precision** ... Cited by 93 - Web Search - lcs.mit.edu - portal.acm.org - csa.com

#### A High-Performance Flexible Architecture for Cryptography

RR Taylor, SC Goldstein - CHES, 1999 - springerlink.com

... 5. Constant propagation can be performed, reducing the complexity ... combined into a single operator by setting ... operations in cryptography are bitwise shifts and ...

Cited by 25 - Web Search - www-2 cs.cmu.edu - madchat.org - inf.pucrs.br - all 11 versions >>

# [PS] A Compiler for Natural Semantics

M Pettersson - CC, 1996 - ida.liu.se

... by using the match operator on the same ... to its CPS representation, mainly constant propagation, copy propagation ... is used to branch to the bitwise 'and' of ...

Cited by 8 - View as HTML - Web Search - brics dk - portal acm org - all 9 versions » - Library Search

#### Marmot: an optimizing compiler for Java

R Fitzgerald, TB Knoblock, E Ruf, B Steensgaard, D ... - Software Practice and Experience, 2000 - doi.wiley.com

... it encodes boolean operations as **bitwise** integral operations ... transformation-specific phi-operator maintenance is ... representation, reducing the **precision** loss due ...

Cited by 98 - Web Search - sdsc edu - charlotte ucsd edu - cmt research microsoft com - all 17 versions

### Fast compilation for pipelined reconfigurable fabrics

M Budiu, SC Goldstein - ACM SIGDA INT SYMP FIELD PROGRAM GATE ARRAYS, 1999 - portal.acm.org

... code elimination, bit-level constant propagation, algebraic simplifications ... 8 shows how a "bitwise and" operation ... b are compared with a < operator, then to ...

Cited by 33 - Web Search - www-2 cs.cmu edu - crhc uiuc edu - nano cc. gatech edu - all 12 versions »

### Lattice Frameworks for Multisource and Bidirectional Data Flow Problems

TJ MARLOWE, BG RYDER - ACM Transactions on Programming Languages and Systems, 1995 - portal acm.org

... meet operator. ... flow frameworks concerning convergence time and solution precision for these ... and Lake's [1993] analysis of constant propagation and liveness ... Web Search - newit gsu unibel by - portal acm org

<u>Transformational design of a direction detector for the progressive scan conversion processor</u> PFA MIDDELHOEK - 1994 - wwwes.cs.utwente.nl

... Obviously the allocation of multiple operations onto a single operator in the direction detector is not possible due to performance constraints. ...

Cited by 6 - View as HTML - Web Search - wwwes.cs.utwente.nl - csa.com

Google  $\blacktriangleright$  Result Page: 1 2 3 Next

bitwise operator OR precision "const Search

Google Home - About Google - About Google Scholar

©2005 Google



Subscribe (Full Service) Register (Limited Service, Free) Lo

Search: © The ACM Digital Library C The Guide

+bitwise +constant +propagation +precision operator operation



# THE ACM DIGITAL LIBRARY

Feedback Report a problem Satisfaction sur

Published since January 1990 and Published before October 2001

Terms used Found 26 of 74

# bitwise constant propagation precision operator operation

Sort results prelevance

Save results to a Binder

Search Tips

Try an Advanced Search

Try this search in The ACM Guide

Display results

expanded form

Open results in a new window

Results 1 - 20 of 26

Result page: 1 2 next

Relevance scale  $\square \square \square$ 

1 Compiler transformations for high-performance computing

David F. Bacon, Susan L. Graham, Oliver J. Sharp

December 1994 ACM Computing Surveys (CSUR), Volume 26 Issue 4

Full text available: pdf(6.32 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, index terms, review

In the last three decades a large number of compiler transformations for optimizing programs have been implemented. Most optimizations for uniprocessors reduce the number of instructions executed by the program using transformations based on the analysis of scalar quantities and dataflow techniques. In contrast, optimizations for high-performance superscalar, vector, and parallel processors maximize parallelism and memory locality with transformations that rely on tracking the properties o ...

**Keywords**: compilation, dependence analysis, locality, multiprocessors, optimization, parallelism, superscalar processors, vectorization

2 Lattice frameworks for multisource and bidirectional data flow problems

Stephen P. Masticola, Thomas J. Marlowe, Barbara G. Ryder

September 1995 ACM Transactions on Programming Languages and Systems (TOPLAS),

Volume 17 Issue 5

Full text available: pdf(1.66 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, index terms, review

Multisource data flow problems involve information which may enter nodes independently through different classes of edges. In some cases, dissimilar meet operations appear to be used for different types of nodes. These problems include bidirectional and flow-sensitive problems as well as many static analyses of concurrent programs with synchronization. K-tuple frameworks, a type of standard data flow framework, provide a na ...

**Keywords**: data flow analysis, lattice frameworks

3 Query evaluation techniques for large databases

Goetz Graefe

June 1993 ACM Computing Surveys (CSUR), Volume 25 Issue 2

Full text available: pdf(9.37 Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

4 C and tcc: a language and compiler for dynamic code generation
Massimiliano Poletto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoek
March 1999 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume
21 Issue 2

Full text available: pdf(471.68 Additional Information: full citation, abstract, references, citings, index terms, review

Dynamic code generation allows programmers to use run-time information in order to achieve performance and expressiveness superior to those of static code. The 'C(Tick C) language is a superset of ANSI C that supports efficient and high-level use of dynamic code generation. 'C provides dynamic code generation at the level of C expressions and statements and supports the composition of dynamic code at run time. These features enable programmers to add dynamic code generation ...

Keywords: ANSI C, compilers, dynamic code generation, dynamic code optimization

5 Composite model-checking: verification with type-specific symbolic representations
Tevfik Bultan, Richard Gerber, Christopher League
January 2000 ACM Transactions on Software Engineering and Methodology (TOSEM),
Volume 9 Issue 1

Full text available: pdf(400.17 Additional Information: full citation, abstract, references, citings, index terms

There has been a surge of progress in automated verification methods based on state exploration. In areas like hardware design, these technologies are rapidly augmenting key phases of testing and validation. To date, one of the most successful of these methods has been symbolic model-checking, in which large finite-state machines are encoded into compact data structures such as Binary Decision Diagrams (BDDs), and are then checked for safety and liveness properties. However, these technique ...

Keywords: Presburger arithmetic, binary decision diagrams, symbolic model-checking

# 6 Code reuse in an optimizing compiler

Ali-Reza Adl-Tabatabai, Thomas Gross, Guei-Yuan Lueh

October 1996 ACM SIGPLAN Notices, Proceedings of the 11th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications, Volume 31 Issue 10

Full text available: pdf(1.97 Additional Information: full citation, abstract, references, citings, index terms

This paper describes how the cmcc compiler reuses code---both internally (reuse between different modules) and externally (reuse between versions for different target machines). The key to reuse are the application frameworks developed for global data-flow analysis, code generation, instruction scheduling, and register allocation. The code produced by cmcc is as good as the code produced by the native compilers for the MIPS and SPARC, although significantly less resources have been spent on cmcc ...

#### 7 Arithmetic coding revisited

Alistair Moffat, Radford M. Neal, Ian H. Witten

July 1998 ACM Transactions on Information Systems (TOIS), Volume 16 Issue 3

Full text available: pdf(487.26 Additional Information: full citation, abstract, references, citings, index terms

Over the last decade, arithmetic coding has emerged as an important compression tool. It is now the method of choice for adaptive coding on myltisymbol alphabets because of its speed, low storage requirements, and effectiveness of compression. This article describes a new implementation of arithmetic coding that incorporates several improvements over a widely used earlier version by Witten, Neal, and Cleary, which has become a de facto standard. These improvements include f ...

Keywords: approximate coding, arithmetic coding, text compression, word-based model

# 8 Implementation and tests of low-discrepancy sequences

Paul Bratley, Bennett L. Fox, Harald Niederreiter

July 1992 ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 2 Issue 3

Full text available: pdf(1.23 Additional Information: full citation, abstract, references, citings, index terms

Low-discrepancy sequences are used for numerical integration, in simulation, and in related applications. Techniques for producing such sequences have been proposed by, among others, Halton, Sobol', Faure, and Niederreiter. Niederreiter's sequences have the best theoretical asymptotic properties. The paper describes two ways to implement the latter sequences on a computer and discusses the results obtained in various practical tests on particular integrals.

Keywords: Niederreiter sequences, Quasi-Monte Carlo methods, low-discrepancy sequences, quasirandom sequences

9 Essential language el(&agr;)—a reduced expression set language for system programming Tan Watanabe, Kazuko Sakuma, Hideyuki Arai, Kohbun Umetani January 1991 ACM SIGPLAN Notices, Volume 26 Issue 1

Full text available: pdf(1.08 MB)

Additional Information: full citation, abstract, index terms

Essential Language el(α) is developed as a "Reduced Expression Set Language" which is simple and yet satisfies conditions for efficient programming and efficient execution. The grammar of el(α) is determined by unifying a machine model applicable to almost all computers and a language model with features essential for system programming. Much efforts are exerted to make the language machine independent and to eliminate execution-time overhead. Its simple syntax drawn in 2 dia ...

10 Parallel logic simulation of VLSI systems

Mary L. Bailey, Jack V. Briner, Roger D. Chamberlain

September 1994 ACM Computing Surveys (CSUR), Volume 26 Issue 3

Full text available: pdf(3.74 Additional Information: full citation, abstract, references, citings, index terms

Fast, efficient logic simulators are an essential tool in modern VLSI system design. Logic simulation is used extensively for design verification prior to fabrication, and as VLSI systems grow in size, the execution time required by simulation is becoming more and more significant. Faster logic simulators will have an appreciable economic impact, speeding time to market while ensuring more thorough system design testing. One approach to this problem is to utilize parallel processing, taking ...

**Keywords**: circuit structure, parallel architecture, parallelism, partitioning, synchronization algorithm, timing granularity

11 Packet types: abstract specification of network protocol messages

Peter J. McCann, Satish Chandra

August 2000 ACM SIGCOMM Computer Communication Review, Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication, Volume 30 Issue 4

Full text available: pdf(435.48 Additional Information: full citation, abstract, references, index terms

In writing networking code, one is often faced with the task of interpreting a raw buffer according to a standardized packet format. This is needed, for example, when monitoring network traffic for specific kinds of packets, or when unmarshaling an incoming packet for protocol processing. In such cases, a programmer typically writes C code that understands the grammar of a packet and that also performs any necessary byte-order and alignment adjustments. Because of the complexity of certain ...

12 Standards for system-level design: practical reality or solution in search of a question? Christopher K. Lennard, Patrick Schaumont, Gjalt de Jong, Anssi Haverinen, Pete Hardee January 2000 Proceedings of the conference on Design, automation and test in Europe

Full text available: pdf(74.65

KB) Publisher Site

Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

13 Feature-based control of visibility error: a multi-resolution clustering algorithm for global illumination

Franois Sillion, George Drettakis

September 1995 Proceedings of the 22nd annual conference on Computer graphics and interactive techniques

Full text available: pdf(489.21 Additional Information: full citation, references, citings, index terms

Keywords: clustering, feature-based error metric, global illumination, hierarchical radiosity, multi-resolution visibility, progressive multi-gridding, visibility error

### 14 Intensional polymorphism in type-erasure semantics

Karl Crary, Stephanie Weirich, Greg Morrisett

September 1998 ACM SIGPLAN Notices, Proceedings of the third ACM SIGPLAN international conference on Functional programming, Volume 34 Issue 1

Additional Information: full citation, abstract, references, citings, Full text available: pdf(1.27 MB) index terms

Intensional polymorphism, the ability to dispatch to different routines based on types at run time, enables a variety of advanced implementation techniques for polymorphic languages, including tag-free garbage collection, unboxed function arguments, polymorphic marshalling, and flattened data structures. To date, languages that support intensional polymorphism have required a typepassing (as opposed to type-erasure) interpretation where types are constructed and passed to polymorphic functions ...

# 15 Bidwidth analysis with application to silicon compilation

Mark Stephenson, Jonathan Babb, Saman Amarasinghe

May 2000 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN 2000 conference on Programming language design and implementation, Volume 35 Issue 5

Full text available: pdf(930.97 Additional Information: full citation, abstract, references, citings, KB) index terms

This paper introduces Bitwise, a compiler that minimizes the bitwidth the number of bits used to represent each operand for both integers and pointers in a program. By propagating 70 static information both forward and backward in the program dataflow graph, Bitwise frees the programmer from declaring bitwidth invariants in cases where the compiler can determine bitwidths automatically. Because loop instructions comprise the bulk of dynamically executed instructions, Bitw ...

# 16 Bridging fault detection in FPGA interconnects using IDDO

L. Zhao, D. M. H. Walker, F. Lombardi

March 1998 Proceedings of the 1998 ACM/SIGDA sixth international symposium on Field programmable gate arrays

Full text available: pdf(1.02 Additional Information: full citation, abstract, references, citings, MB) index terms

This paper presents a vector generation approach for testing interconnects in configurable (SRAM-based) Field Programmable Gate Arrays (FPGAs). The proposed approach detects bridging faults and is based on quiescent current (IDDQ monitoring. Compared with previous voltage-based methods, IDDQ testing has the advantage of utilizing a small number of programming phases for configuring the FPGA during the test process w ...

17 <u>Session 11: seminumerical algorithms: Implementation of a portable and reproducible parallel pseudorandom number generator</u>

Daniel V. Pryor, Steven A. Cuccaro, Michael Mascagni, M. L. Robinson

November 1994 Proceedings of the 1994 ACM/IEEE conference on Supercomputing

Full text available: pdf(808.78 KB) Additional Information: full citation, abstract, references

We describe in detail the parallel implementation of a family of additive lagged-Fibonacci pseudorandom number generators. The theoretical structure of these generators is exploited to preserve their well-known randomness properties and to provide a parallel system of distinct cycles. The algorithm presented here solves the reproducibility problem for a far larger class of parallel Monte Carlo applications than has been previously possible. In particular, Monte Carlo applications that undergo "s ...

18 The anatomy of the register file in a multiscalar processor

Scott E. Breach, T. N. Vijaykumar, Gurindar S. Sohi

November 1994 Proceedings of the 27th annual international symposium on Microarchitecture

Full text available: pdf(1.16 Additional Information: full citation, abstract, references, citings, index terms

This paper presents the operation of the register file in the Multiscalar architecture. The register file provides the appearance of a logically centralized register file, yet is implemented as physically decentralized register files, queues, and control logic in a Multiscalar processor. We address the key issues of storage, communication, and synchronization required for successful design and discuss the complications that arise in the face of speculation. In particular, the hardware requi ...

19 External memory algorithms and data structures: dealing with massive data

Jeffrey Scott Vitter

June 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 2

Full text available: pdf(828.46 Additional Information: full citation, abstract, references, citings, index terms

Data sets in large applications are often too massive to fit completely inside the computers internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance bottleneck. In this article we survey the state of the art in the design and analysis of external memory (or EM) algorithms and data structures, where the goal is to exploit locality in order to reduce the I/O costs. We consider a varie ...

**Keywords**: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, hierarchical memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary storage, sorting

20 Eliminating cache conflict misses through XOR-based placement functions

Antonio González, Mateo Valero, Nigel Topham, Joan M. Parcerisa

July 1997 Proceedings of the 11th international conference on Supercomputing

Full text available: pdf(1.21 MB)

Additional Information: full citation, references, citings, index

terms

Keywords: XOR-based placement functions, cache memory, conflict misses

Results 1 - 20 of 26

Result page: 1 2 next

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM Inc.

Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Playe



Home | Login | Logout | Access Informatio Siter

Welcome United States Patent and Trademark Office

Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "(((bitwise constant propagation precision operator operation) <in>metadata)) <and> (pyr &..."
Your search matched 0 documents.

∭e-παil

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in **Descending** order.

# » Search Options

View Session History

Modify Search

New Search

(((bitwise constant propagation precision operator operation)<in>metadat

Check to search only within this results set

» Key

Display Format:

© Citation © Citation & Abstract

IEEE JNL IEEE Journal or

Magazine

IEE Journal or IEE INL

Magazine

IEEE IEEE Conference CNF Proceeding

IEE IEE Conference CNF Proceeding

IEEE **IEEE Standard** STD

No results were found.

Please edit your search criteria and try again. Refer to the Help pages assistance revising your search.

indexed by **#Inspec**  Help Contact U Securi

© Copyright 20:

Ri